

Genverter® Range 1 | 2 | 3 cylinder Outdoor version

WhisperPower offers a unique range of high-quality diesel generators for outdoor use. They can be exposed to harsh circumstances and are ideal for example as a power system for vehicles that only have space under the floor, or in any other outside location. The units are constructed from high-quality stainless steel sound shields with easily accessible connections for the exhaust system, the radiator cooling system, the fuel supply and the electrical cables. The Scalino 4 is the smallest of the range, followed by the Elite Outdoor 8 and 15 kVA models.



Outdoor

Small, powerful and silent: Scalino Outdoor

The WhisperPower Genverter® Scalino Outdoor is the smallest, quietest and most powerful of its kind. Thanks to the electronic PMG inverter output, it delivers the ideal power quality for any electrical device including small air-conditioning systems, work tools, computers etc. The Scalino can also be used to charge lead-acid or lithium batteries by connecting AC/DC battery charging devices or inverter/charger combinations. (Use of WhisperPower chargers and combi's recommended).

Unique Inverter Technology

The Scalino and Elite Outdoor generators are a combination of a diesel engine with a flywheel integrated alternator and an inverter, hence the name Genverter. Key feature of this technology is the quality of the output combined with the surge power capability. Within a certain window of the rotating speed of the diesel engine, the PMG delivers the correct power quality to operate electrical equipment, such as tools, compressors, airconditioning, electrical cooking devices and various other AC appliances.

Ready to install

The Outdoor diesel generators come complete with all the fittings needed to connect the generator to the fuel tank, the engine to the cooling system, cables to connect the starter engine to the starter battery and electrical wiring to connect the Scalino Outdoor to external electrical power system. The PMG inverter has to be installed separately from the generator in a dry location.



Scalino 3.4 kVA Genverter



Outdoor 8 kVA Genverter



Radiator & Top-Cool



PMG Inverter



Supplied as standard with DDC panel and DDC connection box



5 or 7 Touch control panel with extended information and remote access

Stage V Certification for all models

The Genverter generators meet the Stage V exhaust emission requirement, legally obligatory for generators used in Europe in vehicles and movable objects. For the Scalino, Stage V certification is optional. The Elite Outdoor models are also compliant to EPA Tier 4 emission standard.

Optimal sound and vibration control

A robust polyester sound guard, optimal tuning of rpm vs power rating and effective engine mounting inside the enclosure result in an audible noise level of less than 55 dBA and virtually no vibration.

Works with any electrical appliance

The combination of a perfect sine wave with the lowest distortion and a precise and constant frequency enables any AC electrical device to operate smoothly. A/C's, cooking hobs, compressors, heavy duty tools, computer installations, sound installations, this will all work perfectly.

Air/water-cooled concept

The Scalino engine, designed by WhisperPower, has a unique cooling principle. The engine is cooled by its own lubrication oil which is circulating through a closed system in which a cooling radiator is integrated. The oil (hence the engine) is kept at a constant temperature by a fan blowing outside air through the radiator. Our 2/3 cylinder models are liquid cooled, cooling is done by a roof or side installed radiator system.

Perfect power

WhisperPower's PMG inverter incorporates two main functions: this robust, electronic device converts the generated power (input) into a pure sine wave with fixed Hz (output). The rotating speed is programmable from 2000 to 2800 rpm (3400 max for the Scalino model), select the rotating speed for the needed power. The PMG power inverter is also the power management device, offering full read-out via WhisperConnect to the Touch panel. Voltage and frequencies can be selected.

Essential Remote Communication

WhisperConnect connection for interconnection with other devices and USB interface eventual uploads. Analogue remote controls and cables supplied as standard, digital Touch panels are optional.

One-stop-shop

We provide complete installation kits ensuring a qualified, long lasting installation. These include radiator cooling and exhaust kits, battery starting kits and fuel supply systems.



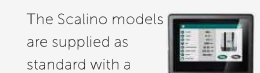
Art. Nr.	SCALINO 4 - 230 VAC / 50 Hz	SCALINO 4 - 230 VAC / 50 Hz	SCALINO 4 - 120 VAC / 60 Hz	ELITE 8 OUTDOOR - 230 VAC / 50 Hz	ELITE 8 OUTDOOR - 120 VAC / 60 Hz	ELITE 15 OUTDOOR - 230 VAC / 50 Hz
MAIN SPECIFICATIONS						
Intermittent Power kW at 25°C (77°F)	3.5 kW	3.0 kW	3.0 kW	6.4 kW	6 kW	12.5 kW
Continuous Power kVA at 25°C (77°F)	4.4 kVA	3.4 kVA	4 kVA	8 kVA	6 kVA	15 kVA
Continuous Power kW at 25°C (77°F)	3 kW	2.8 kW	3 kW	6 kW	6 kW	12 kW
Noise level	54 dB(A) at 7 m, 65 dB(A) at 1 m	54 dB(A) at 7 m, 65 dB(A) at 1 m	54 dB(A) at 7 m, 65 dB(A) at 1 m	59 dB(A) at 7 m, 77 dB(A) at 1 m	59 dB(A) at 7 m, 77 dB(A) at 1 m	54 dB(A) at 7 m, 65 dB(A) at 1 m
RPM range	2400...3600 rpm adjustable	2400...3600 rpm adjustable	2400...3600 rpm adjustable	2400...2800 rpm, adjustable	2400...2800 rpm, adjustable	2200...3200 rpm, adjustable
Alternator technology	Permanent Magnet	Permanent Magnet	Permanent Magnet	Permanent Magnet	Permanent Magnet	Permanent Magnet
Generator cooling	Air cooled	Air cooled	Air cooled	Radiator/Liquid cooled	Radiator/Liquid cooled	Liquid cooled
Generator control	DDC (2x)	DDC (2x)	DDC (2x)	DDC	DDC	DDC
Control Panel	DDC Local + DDC Remote	DDC Local + DDC Remote	DDC Local + DDC Remote	DDC Local + DDC Remote	DDC Local + DDC Remote	DDC Local + DDC Remote
Inverter Module	WP-PMG frame 2 (2x)	WP-PMG frame 1 Plus	WP-PMG frame 1 Plus	WP-PMG frame 2	WP-PMG frame 2	WP-PMG frame 3
Nominal voltage / frequency	230 VAC - 50/60 Hz	230 VAC - 50/60 Hz	120 VAC - 60 Hz	230 VAC, 50 / 60 Hz	230 VAC, 50 / 60 Hz	230 VAC or 240 / 120 VAC, 50 / 60 Hz
Phase/wire	1 phase, 3 wires	1 phase, 3 wires	1 phase, 3 wires	1 phase, 3 wires (or split phase, 4 wires)	1 phase, 3 wires (or split phase, 4 wires)	1 phase, 3 wires or split phase, 4 wires
Peak power 2 s	200%	200%	200%	200%	200%	200%
Harmonic distortion	< 5%	< 5%	< 5%	< 3%	< 3%	< 3%
Frequency tolerance	± 0.1%	± 0.1%	± 0.1%	± 0.1%	± 0.1%	± 0.1%
DIESEL ENGINE SPECIFICATIONS						
Engine	WhisperPower WP1	WhisperPower WP1	WhisperPower WP1	WhisperPower Kubota Z482	WhisperPower Kubota Z482	WhisperPower Kubota D1105
Displacement	309 cc	309 cc	309 cc	479 cc	479 cc	1123 cc
Cylinders	1	1	1	2	2	3
Bore & stroke	78 x 76 mm	78 x 76 mm	78 x 76 mm	67 x 68 mm	67 x 68 mm	78 x 78.4 mm
Compression ratio	21:1	21:1	21:1	23.5	23.5	24.0
Air consumption	< 0.42 m³/min (per unit)	< 0.42 m³/min (per unit)	< 0.42 m³/min (per unit)	<0.95 m³/min	<0.95 m³/min	< 1.47 m³/min
Cooling system	Oil tube cooler	Oil tube cooler	Oil tube cooler	Radiator	Radiator	Radiator
Fuel consumption (no load - full load)	0.8-1.2 l/hr (per unit)	0.8-1.2 l/hr (per unit)	0.8-1.2 l/hr (per unit)	1.7-2.5 l/hr	1.7-2.5 l/hr	4.2-5.6 l/hr
Starter battery charge method current	Handy charger 12 V/7A	Handy charger 12 V/7A	Handy charger 12 V/7A	Alternator 12 V/12.5 A	Alternator 12 V/12.5 A	Alternator 12 V/40 A
DIMENSIONS & WEIGHT						
Length x width x height (cabinet)	510 x 410 x 490 mm	510 x 450 x 490 mm	510 x 450 x 490 mm	742 x 597 x 670 mm	741 x 597 x 670 mm	736 x 907 x 741
Length x width x depth (PMG)	490 x 198 x 188 mm	490 x 198 x 188 mm	490 x 198 x 188 mm	490 x 198 x 188 mm	490 x 198 x 188 mm	542 x 384 x 257 mm
Dry weight (cabinet + PMG)	77 kg + 9.9 kg	75 kg + 9.9 kg	75 kg + 9.9 kg	200 kg + 9.9 kg	200 kg + 9.9 kg	210 kg + 30 kg
Exhaust type	R 1 inch, dry	R 1 inch, dry	R 1 inch, dry	R 1 inch, dry	R 1 inch, dry	R 1.5 inch, dry
Max. operating angle	25° in all directions	25° in all directions	25° in all directions	25° in all directions	25° in all directions	25° in all directions
OPTIONAL						
	2 nd start/stop panel, Touch panel 7"	2 nd start/stop panel, Touch panel 7"	2 nd start/stop panel, Touch panel 7"	2 nd start/stop panel, Touch panel 7"	2 nd start/stop panel, Touch panel 7"	2 nd start/stop panel, Touch panel 7"
				Crankcase heating	Crankcase heating	Crankcase heating

Elite
10 & 12
also available as
outdoor version

ESSENTIAL ACCESSOIRES



All Elite models are delivered as standard with a comprehensive start/stop remote control panel and 6 meters of connection cable with telejack connectors. DDC or 5, 7 inch Touch panels are optional.



The Scalino models are supplied as standard with a compact start/stop panel, supplied with 6 mtrs cable to plug into the PMG inverter box. We offer our Touch 5 panel as an option, showing more extended information.



WP Starter battery installation kit < 100 Ah. Art. Nr. 40290106

Installation Dimensions

